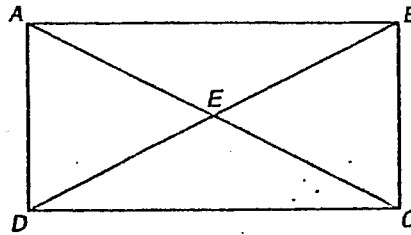


Rectangles

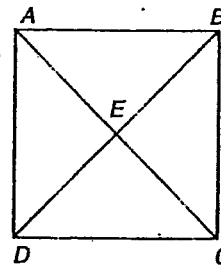
Use rectangle $ABCD$ and the given information to solve each problem.

1. If $AC = 4x - 60$ and $BD = 30 - x$, find BD .
2. If $AC = 4x - 60$ and $AE = x + 5$, find EC .
3. If $m\angle BAC = 4x + 5$ and $m\angle CAD = 5x - 14$, find $m\angle CAD$.
4. If $AE = 2x + 3$ and $BE = 12 - x$, find BD .
5. If $m\angle BAC = 3x + 5$ and $m\angle ACD = 40 - 2x$, find $m\angle AED$.

**Squares and Rhombi**

Use square $ABCD$ and the given information to find each value.

1. If $m\angle AEB = 3x$, find x .
2. If $m\angle BAC = 9x$, find x .
3. If $AB = 2x + 4$ and $CD = 3x - 5$, find BC .
4. If $m\angle DAC = y$ and $m\angle BAC = 3x$, find x .
5. If $AB = x^2 - 15$ and $BC = 2x$, find x .



Use rhombus $ABCD$ and the given information to find each measure.

6. $m\angle BCE$
7. $m\angle BEC$
8. AC
9. $m\angle ABD$
10. AD

